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SEQUENCE LISTING

<110> Geerts, Hugo  
Masure, Stefan  
Cik, Miroslav  
Meert, Theo  
Ver Donk, Luc

<120> Neurotrophic Growth Factor

<130> 50936/702

<140> 09/357,349

<141> 1999-07-14

<150> 9815283.8

<151> 1998-07-14

<150> 09/248,772

<151> 1999-02-12

<150> 09/327,668

<151> 1999-06-08

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<170> PatentIn Ver. 2.0

<210> 1

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<212> DNA

<213> Homo sapiens

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ctactgggcg ccggggccct gcgaccgccc ccgggctccc ggcccgtcag ccagccctgc 240
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<212> DNA

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tcaacagcac ctggagaacc gtggaccgcc tctccgccac cgcctgcggc tgcctgggct 420
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Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg
          35          40          45
Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala
          50          55          60
Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys
          65          70          75          80
Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser
          85          90          95
Thr Trp Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu
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<210> 4

<211> 139

<212> PRT

<213> Homo sapiens

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Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu Arg Ser Gln Leu  
35 40 45  
Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser Asp Glu Leu Val  
50 55 60  
Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala Arg Ser Pro His  
65 70 75 80  
Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala Leu Arg Pro Pro  
85 90 95  
Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg Pro Thr Arg Tyr  
100 105 110  
E) Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp Arg Thr Val Asp  
115 120 125  
Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu Gly  
130 135

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<212> DNA

<213> Homo sapiens

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cacttgggtct ctccgcgcag cctgccctgt ggcccaccct ggccgctctg gctctgctga 180  
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gccggggccc tgcgaccgcc cccggggtcc cggcccgtca gccagccctg ctgccgaccc 720  
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 Gly Leu Ser Ala Gln Pro Ala Leu Trp Pro Thr Leu Ala Ala Leu Ala  
 35 40 45  
 Leu Leu Ser Ser Val Ala Glu Ala Ser Leu Gly Ser Ala Pro Arg Ser  
 50 55 60  
 Pro Ala Pro Arg Glu Gly Pro Pro Pro Val Leu Ala Ser Pro Ala Gly  
 65 70 75 80  
 His Leu Pro Gly Arg  
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E1

<210> 7  
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 <212> PRT  
 <213> Homo sapiens

<400> 7

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 20 25 30  
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 35 40 45  
 Gly Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala Arg Gly Cys Arg Leu  
 50 55 60

Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His Arg Ser  
65 70 75 80

Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg Arg Ala  
85 90 95

Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala Gly Ala  
100 105 110

Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys Cys Arg  
115 120 125

Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser Thr Trp  
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<211> 1188

<212> DNA

<213> Homo sapiens

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actgaggaaa ggcggcttga ctggtgaggg agagcagggc ttggcttggg cagcggttag 180  
gtgtgggagg gaaaatggtc agggagggac caggtgaatg ggaggaggag cgggacttct 240  
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gcagccctgc ccccgcgaa ggcccccg gcctcctggc gtcccccgcc ggccacctgc 600  
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 <213> Homo sapiens

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 Pro Thr Leu Ala Ala Leu Ala Leu Leu Ser Ser Val Ala Glu Ala Ser  
 35 40 45  
 Leu Gly Ser Ala Pro Arg Ser Pro Ala Pro Arg Glu Gly Pro Pro Pro  
 50 55 60  
 Val Leu Ala Ser Pro Ala Gly His Leu Pro Gly Gly Arg Thr Ala Arg  
 65 70 75 80  
 E1 Trp Cys Ser Gly Arg Ala Arg Arg Pro Pro Pro Gln Pro Ser Arg Pro  
 85 90 95  
 Ala Pro Pro Pro Pro Ala Pro Pro Ser Ala Leu Pro Arg Gly Gly Arg  
 100 105 110  
 Ala Ala Arg Ala Gly Gly Pro Gly Ser Arg Ala Arg Ala Ala Gly Ala  
 115 120 125  
 Arg Gly Cys Arg Leu Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly  
 130 135 140  
 Leu Gly His Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly  
 145 150 155 160  
 Ser Cys Arg Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu  
 165 170 175  
 Leu Gly Ala Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser  
 180 185 190  
 Gln Pro Cys Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp  
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 Gly Cys Leu Gly  
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<210> 10  
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<400> 10

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			20					25					30		
Leu	Ser	Ser	Val	Ala	Glu	Ala	Ser	Leu	Gly	Ser	Ala	Pro	Arg	Ser	Pro
		35					40					45			
Ala	Pro	Arg	Glu	Gly	Pro	Pro	Pro	Val	Leu	Ala	Ser	Pro	Ala	Gly	His
	50					55					60				
Leu	Pro	Gly	Gly	Arg	Thr	Ala	Arg	Trp	Cys	Ser	Gly	Arg	Ala	Arg	Arg
65					70					75					80
Pro	Pro	Pro	Gln	Pro	Ser	Arg	Pro	Ala	Pro	Pro	Pro	Pro	Ala	Pro	Pro
				85					90					95	
Ser	Ala	Leu	Pro	Arg	Gly	Gly	Arg	Ala	Ala	Arg	Ala	Gly	Gly	Pro	Gly
			100					105					110		
Ser	Arg	Ala	Arg	Ala	Ala	Gly	Ala	Arg	Gly	Cys	Arg	Leu	Arg	Ser	Gln
		115					120					125			
Leu	Val	Pro	Val	Arg	Ala	Leu	Gly	Leu	Gly	His	Arg	Ser	Asp	Glu	Leu
	130					135					140				
Val	Arg	Phe	Arg	Phe	Cys	Ser	Gly	Ser	Cys	Arg	Arg	Ala	Arg	Ser	Pro
145					150					155					160
His	Asp	Leu	Ser	Leu	Ala	Ser	Leu	Leu	Gly	Ala	Gly	Ala	Leu	Arg	Pro
				165					170					175	
Pro	Pro	Gly	Ser	Arg	Pro	Val	Ser	Gln	Pro	Cys	Cys	Arg	Pro	Thr	Arg
			180					185					190		
Tyr	Glu	Ala	Val	Ser	Phe	Met	Asp	Val	Asn	Ser	Thr	Trp	Arg	Thr	Val
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 <211> 766  
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cagccagccc	tgtgtccgac	ccacgcgcta	cgaagcggtc	tccttcatgg	acgtcaacag	660
cacctggaga	accgtggacc	gcctctccgc	caccgcctgc	ggctgcctgg	gctgagggct	720
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cggctcctgc	cgcgcgcgcgc	gctctccaca	cgacctcagc	ctggccagcc	tactgggcgc	540
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gcgctacgaa	gcggtctcct	tcatggacgt	caacagcacc	tggagaaccg	tggaccgcct	660
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 <212> DNA  
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<211> 489

<212> DNA

<213> Homo sapiens

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tctgctgagc agcgtcgcag aggcctccct gggtcccgcg ccccgagcc ctgcccccg 180
cgaaggcccc ccgctgtcc tggcgtcccc cgccggccac ctgcccggcg ctctgcccgc 240
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ccgcccccg gctcccgcc cgtcagccag ccctgctgcc gaccacgcg ctacgaagcg 360
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ctcttctg 489
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<211> 350

<212> DNA

<213> Homo sapiens

<400> 15

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acctcagcct ggccagccta ctgggcgccc gggccctgcg accgcccccg ggctcccgcc 180
ccgtcagcca gccctgctgc cgaccacgc gctacgaagc ggtctccttc atggacgtca 240
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<110> Janssen Pharmaceutica  
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 <130> P50936/702  
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 <141> 1999-02-12  
 <160> 4  
 <170> PatentIn version 3.1  
 <210> 16  
 <211> 134  
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<400> 16

Ser Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg  
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 20 25 30  
 Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu  
 35 40 45  
 Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile  
 50 55 60  
 Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp  
 65 70 75 80  
 Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp Lys  
 85 90 95  
 Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser  
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 Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala  
 115 120 125  
 Lys Arg Cys Gly Cys Ile  
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<210> 17  
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 <212> PRT  
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<400> 17

Ala Arg Leu Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg  
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Val Ser Glu Leu Gly Leu Gly Tyr Ala Ser Asp Glu Thr Val Leu Phe  
20 25 30

Arg Tyr Cys Ala Gly Ala Cys Glu Ala Ala Ala Arg Val Tyr Asp Leu  
35 40 45

Gly Leu Arg Arg Leu Arg Gln Arg Arg Arg Leu Arg Arg Glu Arg Val  
50 55 60

Arg Ala Gln Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser  
65 70 75 80

Phe Leu Asp Ala His Ser Arg Tyr His Thr Val His Glu Leu Ser Ala  
85 90 95

Arg Glu Cys Ala Cys Val  
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<210> 18

<211> 96

<212> PRT

<213> Homo sapiens

<400> 18

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20 25 30

Cys Ala Gly Ser Cys Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala  
35 40 45

Leu Ala Arg Leu Gln Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys  
50 55 60

Arg Pro Thr Arg Tyr Thr Asp Val Ala Phe Leu Asp Asp Arg His Arg  
65 70 75 80

Trp Gln Arg Leu Pro Gln Leu Ser Ala Ala Ala Cys Gly Cys Gly Gly  
85 90 95

<210> 19  
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<400> 19

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Arg Leu Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly His  
20 25 30

Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys Arg  
35 40 45

E1 Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly Ala  
50 55 60

Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro Cys  
65 70 75 80

Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn Ser  
85 90 95

Thr Trp Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys Leu  
100 105 110

Gly